Wednesday, 5/2/2007 3:43:47 PM User Kim Johnston **Process Sheet** : BAR **Drawing Name** Customer : CU-DAR001 Dart Helicopters Services Job Number : 32136 : 10388 **Estimate Number** : D31963 : NIA Part Number P.O. Number S.O. No. : NA : D3196 REVC : 5/2/2007 **Drawing Number** This Issue : N/A Project Number Prsht Rev. : C : MACHINED PARTS **Drawing Revision** First Issue :NA : 30602 Material Previous Run : 5/9/2007 Qty: 6 Um: Each **Due Date** Written By Checked & Approved By 05-11-08 JLM : Est Rev: Á New Issue Comment **Additional Product** Job Number: Description: Seq. #: 6061-T6 Bar .75" X 1.5" 1.0 M6061T6B0750X01500 18.2070 f(s) Comment: Qtv.: 3.0345 f(s)/Unit Total: 7104326 + 1 prices Material: 6061-T6/T651 (QQ-A-200/8) or (QQ-A-225/8) (M6061T6B0.750x01.500) Identify for D3196-3 Batch: 19104057 75 pieces BAND SAW BAND SAW 2.0 Comment: BAND SAW Cut blank: (0.75" x 1.50") x 34.750" long Bar HAAS CNC VERTICAL MACHINING #1 3.0 Comment: HAAS CNC VERTICAL MACHINING #1 1-Machine D3196-3 as per Folio FA339 and Dwg D3196Identify as D3196-3 2-Deburr 4.0 QC2 Comment: INSPECT PARTS AS THEY COME OFF MACHINE SECOND CHECK QC8 Comment: SECOND CHECK

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W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE		By Date Qty Approval Chief Eng / Prod Mgr	Qty	Approval Chief Eng / Prod Mgr	Approval QC inspector		
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Part No: _	PAR #:	Fault Category:	NCR: Yes (No) DQA:	Date: <u>07/05/0</u>
			QA: N/C Closed:	Date:

NCR:		WORK ORDER NON-CONFORMANCE (NCR)									
		Description of NC		Corrective Action Section B		Verification		A			
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector			
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NOTE: Date & initial all entries

Wednesday, 5/2/2007 3:43:47 PM Date: Úser: Kim Johnston **Process Sheet** Drawing Name: BAR Customer: CU-DAR001 Dart Helicopters Services Part Number: D31963 Job Number: 32136 Job Number: Seq. #: Description: Machine Or Operation: HAND FINISHING RESOURCE #1 HAND FINISHING1 6.0 Comment: HAND FINISHING RESOURCE #1 Chemical Conversion Coat as per QSI 005 4.1 POWDER COATING 7.0 M101601 Comment: POWDER COATING Powder Coat Grey Sandtex (Ref: 4.3.5.6) as per QSI 005 4.3 INSPECT POWDER COAT/CHEMICAL CONVERSION QC3 8.0 Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION Comment: PACKAGING RESOURCE #1 Identify and Stock Location: 10.0 Comment: FINAL INSPECTION/W/O RELEASE Job Completion U 07.05.09

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W/O:		WORK ORDER CHANGES									
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
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Part No	:	PAR #: Fault Category:	NCR: Ye	es No DQ	A:	Date: _					
			· QA	: N/C Close	d:	Date:					

	WORK ORDER NON-CONFORMANCE (NCR)								
	Description of NC		Corrective Action Section B		Varification		A		
STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	Approval QC Inspector		
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	STEP	STED Description of NC	STEP Description of NC Section A Initial	STEP Description of NC Corrective Action Section B Section A Initial Action Description	STEP Description of NC Corrective Action Section B Initial Action Description Sign &	STEP Description of NC Corrective Action Section B Verification Section A Action Description Sign & Section C	STEP Description of NC Corrective Action Section B Verification Approval Section A Chief Eng		

NOTE: Date & initial all entries

DART AEROSPACE L	TD	Work Order:	32136
Description: Por		Part Number:	D3196-3
Description: Bar			
Inspection Dwg: D3196	Rev: 8 (1707.05.02		Page 1 of 1

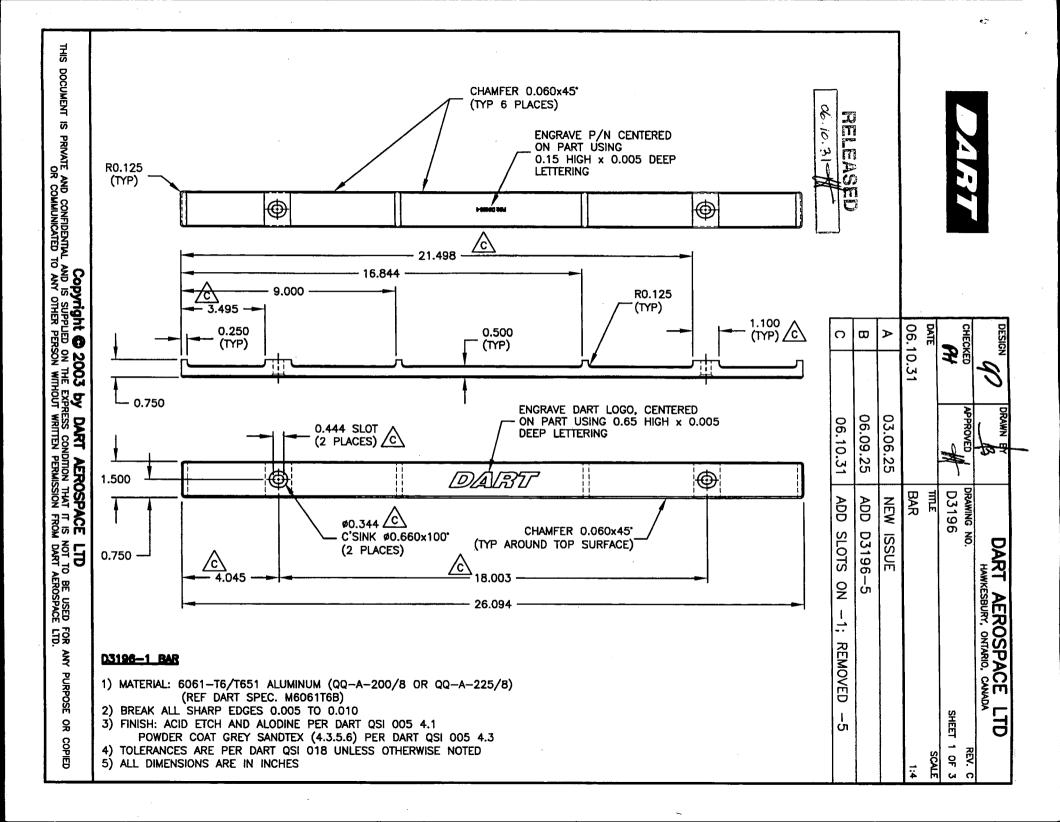
FIRST ARTICLE INSPECTION CHECKLIST

X	First Article		Prototype
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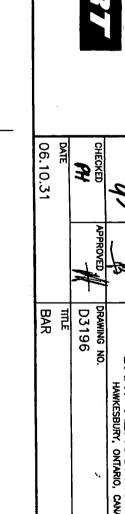
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
34.625	+/-0.010	34.625	• —			
33.650	+/-0.005	33.650		-		
0.488	+/-0.005	0.489				
17.011	+/-0.010	17.011				
0.512	+/-0.005	0.513				
1.500	+/-0.010	1.503				
0.464	+/-0.010	0.461				
0.504	+/-0.010	0.501				
Ø0.344	+0.006/-0.001	80.345				
Ø0.660 x 100°	+0.008/-0.001 x 0.5°	80.660x108				
0.962	+/-0.005	0.961				
0.750	+/-0.010	0.751				
4.750	+/-0.010	4,750				
12.531	+/-0.010	12.531	<u> </u>			
16.999	+/-0.010	16.999				
21.844	+/-0.010	21.844				
29.625	+/-0.010	29.625				
0.250	+/-0.010	0.247				
1.000	+/-0.010	8.997				
R0.125	+/-0.010	RO.125		,		
0.987	+/-0.010	0.996				
0.060 x 45°	+/-0.010 x 0.5°	0.065X45				

Measured by:	gne	Audited by:	Er	Prototype Approval:	N/A
Date:	07/05/04	Date:	07/05/04	Date:	N/A

Rev	Date	Change	Revised by	Approved
Α	04.04.20	New Issue	KJ/RF	
В	06.10.24	Dwg Rev. updated	KJ/JLM	E
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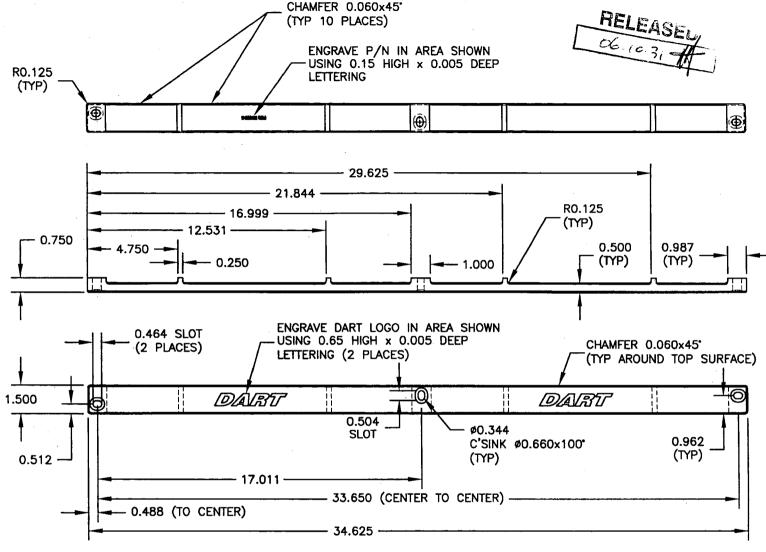






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D3196-3 BAR

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DOCUMENT

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NOT TO BE USED INDICATE AFROSPACE

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PURPOSE

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- 1) MATERIAL: 6061-T6/T651 ALUMINUM (QQ-A-200/8 OR QQ-A-225/8) (REF DART SPEC. M6061T6B)
- 2) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 3) FINISH: ACID ETCH AND ALODINE PER DART QSI 005 4.1
 POWDER COAT GREY SANDTEX (4.3.5.6) PER DART QSI 005 4.3
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES

06.10.31

BAR

D3196

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DRAWING NO

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DOCUMENT

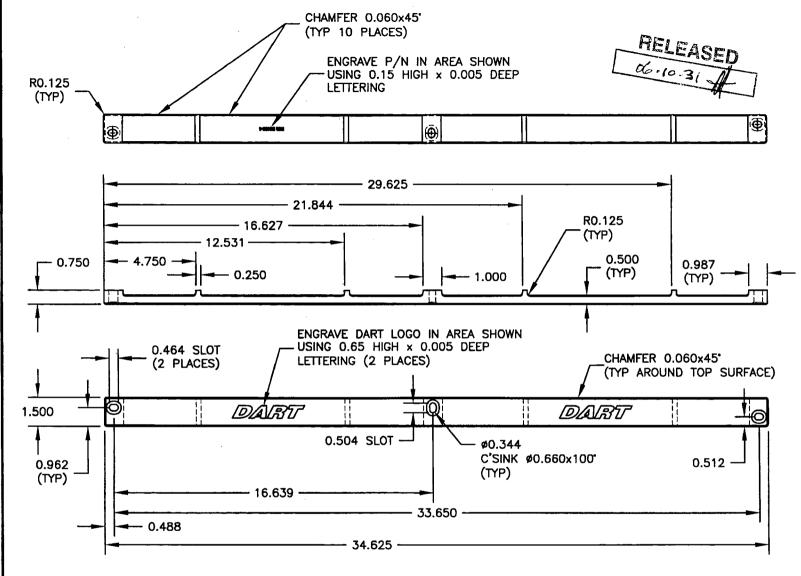
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ANY PURPOSE

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D3196-4 BAR

- 1) MATERIAL: 6061-T6/T651 ALUMINUM (QQ-A-200/8 OR QQ-A-225/8) (REF DART SPEC. M6061T6B)
- 2) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 3) FINISH: ACID ETCH AND ALODINE PER DART QSI 005 4.1 POWDER COAT GREY SANDTEX (4.3.5.6) PER DART QSI 005 4.3
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES